## **AMENDMENTS TO THE CLAIMS**

## **Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## 1.-41. (Canceled)

42. (Currently Amended) An isolated recombinant human adenine nucleotide translocator (ANT) polypeptide comprising an amino acid sequence that is at least 95 percent identical to a human ANT3 sequence as set forth in SEQ ID NO:33 and that localizes to a mitochondrial membrane, that is capable of binding an ANT ligand and that is produced by a method comprising culturing a host cell comprising a recombinant expression construct comprising at least one regulated promoter operably linked to a nucleic acid encoding the adenine nucleotide translocator ANT polypeptide.

## 43.-45. (Canceled)

- 46. (Currently Amended) The isolated polypeptide of claim 42 wherein the host cell lacks an endogenous human ANT1 adenine nucleotide translocator polypeptide as set forth in SEQ ID NO:31 and wherein the host cell lacks an endogenous human ANT2 adenine nucleotide translocator polypeptide as set forth in SEQ ID NO:32.
- 47. (Currently Amended) An isolated recombinant human adenine nucleotide translocator fusion protein comprising an adenine <u>nucleotide</u> translocator (ANT) polypeptide fused to at least one additional polypeptide sequence, wherein the ANT polypeptide comprises an amino acid sequence that is at least 95 percent identical to a human ANT3 sequence as set forth in SEQ ID NO:33 and wherein the fusion protein localizes to a mitochondrial membrane and is capable of binding an ANT ligand.

Application No. 09/393,441 Response to Office Action dated December 2, 2002

48. (Original) The fusion protein of claim 47 wherein said one additional polypeptide sequence is an enzyme sequence or a variant or fragment thereof.

49.-50. (Canceled)

51. (Currently Amended) An isolated human adenine nucleotide translocator fusion protein comprising an adenine <u>nucleotide</u> translocator (ANT) polypeptide fused to at least one additional polypeptide sequence cleavable by a protease that separates the adenine translocator polypeptide from the remainder of the fusion protein, said adenine nucleotide translocator polypeptide being capable of localizing to a mitochondrial membrane and capable of binding an ANT ligand, wherein the ANT polypeptide comprises an amino acid sequence that is at least 95 percent identical to a human ANT3 sequence as set forth in SEQ ID NO:33.

52. - 56. (Canceled)

57. (Previously Presented) The fusion protein of claim 47 wherein the additional polypeptide sequence is a polypeptide having affinity for a ligand.

58. - 112. (Canceled)